

Model 3890 Series

ENHANCED CoreStat® Wide Coverage Ionizing Blower



FEATURES

- Steady-State DC Ion Emission
- Class 0 ESD Control Application
- LED & Audio Alarm
- ONE-Touch Auto-Cleaning (Except 3890)
- 5 Step Fan Speed Control
- 24hour Auto-Cleaning Cycle

BENEFITS

- No Calibration
- Low Offset Voltage
- No High Switching Voltage
- Easy Replacement of Emitter Points
- Auto Stop Safety function
- No Transient Noise

APPLICATIONS

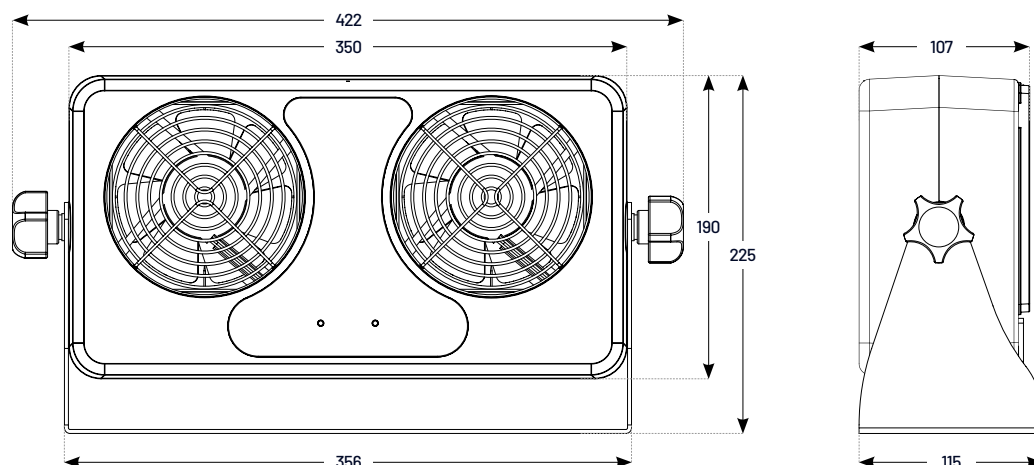
Core Insight's innovative design CoreStat® Model 3890 Blower provides wide area ionization coverage. The CoreStat® Model 3890 is designed to operate stably for extended periods without cleaning or calibration in semiconductor, flat panel display, and general electronic assembly applications.

Model 3890 Ionizing Blower can discharge within 10 seconds at a distance of 1.8m. Model 3890 Blower maintains inherent balance of less than ± 5 V for ESDS items. The built-in auto-cleaning brush activates when the rear fan filter grill is open or during power on/off. Audio and visual alarms activate when ion balance exceeds limits or power supply failure occurs. Its lightweight and slim design allows for more convenient installation in space-constrained environments.

SPECIFICATIONS

Input Voltage	100 - 240V AC, 50/60Hz, 1A Max	Operating Environment	Temperature: 15 - 35 °C, nominal Humidity: 35 - 75 % RH
Ion Emission	Steady-State DC Technology	Material	Enclosure & Filter : ABS plastic Emitter Points: Tungsten (replaceable) Bracket: Aluminum
Ion Balance	Less than ± 5 V Peak Offset Voltage	Dimensions	350 W x 190 H x 107 D (without bracket) 422 W x 225 H x 115 D (with bracket)
Discharge Time	Less than 10 seconds at 1800 mm	Weight	2.5 kg
Air Flow	165 CFM	Warranty	2 year limited warranty
Alarm	Visual & Audio alarm operates voltage feedback monitoring, cleaning cycle, power, sync and polling failures	Certification	CE RoHS UL LISTED
Monitoring	RJ-45 terminal		

SIZE & DIMENSIONS (mm)



FACILITY MONITORING SYSTEM OUTPUT SIGNALS

Status	Visual	Audio
Normal Operation	Green	Inactivate
HV Power Fail	Red	Continuous Sound
Balance Fail	Red Blinking	Beeping Sound

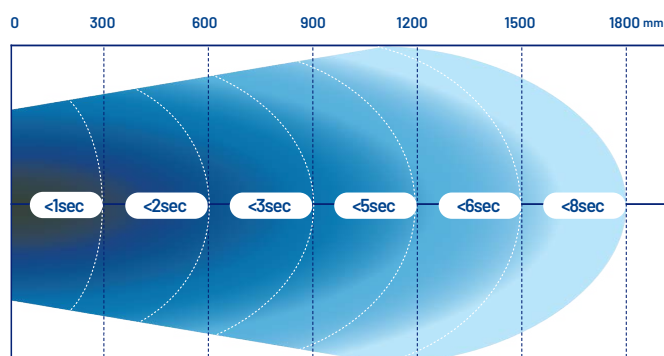
Condition	Pin 2/4	Pin 6/8	Pin 7
Normal	Open	Open	High
HV Power alarm	Open	Closed	N/A
Balance alarm	Closed	Open	N/A

PRODUCT INFORMATION

Model 3890	General Type
Model 3890E	Built-in-Auto-Cleaning Brush Type



DISCHARGE TIME



* Discharge time and balance measured according to ANSI/ESD STM3.1 using a Charge Plate Monitor(CPM)



Easy Emitter Point Cleaning and Replacement